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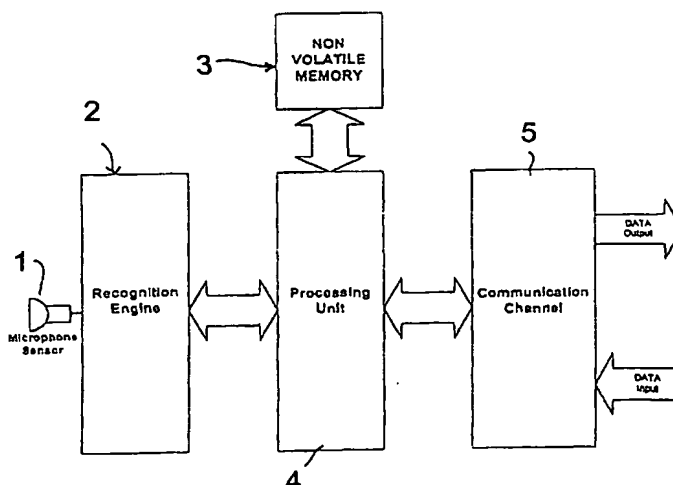
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(54) Title: **DIAGNOSTIC TOOL FOR AN ENERGY CONVERSION APPLIANCE**



(57) Abstract: A diagnostic tool for an energy conversion appliance, which may be a heating, ventilating or air conditioning appli-
ance, comprises a sound receiving transducer (1) coupled to output means (5) to identify, discriminate and log the acoustic signatures
of a sequence of events within an operating sequence of an appliance. Individual event occurrences are identified by comparison of
a received acoustic signature with stored data to determine whether an event occurrence has occurred in a proper manner and at a
correct position in the sequence of a plurality of event occurrences.